

City of San Diego MSCP Rare Plant Monitoring:  
2005 Dates, Staff and Notes

Appendix A

Species	Site	2005 Survey	Staff	Monitoring Method/Comments	Monitoring Time Notes from Site
<i>Muilla clevelandii</i> (San Diego Goldenstar)	Otay Lakes	7-Apr	K. Greer, M. Johnson, J. Garcia, J. Atha, L. Hierl	Belt transects (partial due to high abundance) and quadrats chosen on GPS in field / Full Long Day	4/7/05 Fairly good timing--very slightly early (lots of flower buds). Surrounding <i>Deinandra fasciculata</i> not yet fully flowering.
		26-Apr	M. Johnson; J. Garcia	Follow up quadrats along belt transects per K. McEachern; GPS'd partial population boundary / Full Day	4/26/05 Fairly good timing; near end of blooming, many flowers fruiting
<i>Brodiaea orcuttii</i> (Orcutt's Brodiaea)	Carroll Canyon	28-Apr	1) K. Greer; 2) M. Johnson; 3) J. Garcia; 4) L. Hierl	Points; Perm Plots / Half Day	4/28/05 good monitoring timing, most plants w/ some flowers, relatively easy to locate
	General Dynamics	28-Apr	Plots: 1) K. Greer; 2) M. Johnson; 3) J. Garcia; 4) L. Hierl 4/29, GPS : 1) M. Johnson, 2) B. Miller, 3) K. Syverson	Perm Plots (1/2 Day); GPS population boundary (2 Hours)	4/28/05 good monitoring timing, most plants w/ some flowers, relatively easy to locate 4/29/05 good monitoring timing, most plants w/ some flowers, relatively easy to locate
	Nobel Drive	29-Apr	1) M. Johnson; 2) K. Syverson; 3) B. Miller; 4) C. Frogner	Census and GPS Population / 2 Hours	[4/8/05 notes- Leaves up, bud just emerged at base of plnt]
<i>Acanthomintha illicifolia</i> (San Diego Thorn-mint)	Mission Trails Regional Park	20-Apr	M. Kelly		
	Black Mountain	16-Apr	M. Kelly and Joel ?		
	Sabre Springs	April	M. Kelly and M. Howe		Per 4/13 email: Only 13 plants. Possible snail problem?
	Penasquitos Cyn	13-Apr	Mike Kelly and I. Cooper		Per 4/13 email: Counted 2,091 plants, 4 times as much as last year
<i>Cylindropuntia californica</i> (Snake Cholla)	Otay Mesa	19-Apr	1) M. Johnson; 2) K. Greer; 3) K. McEachern	Presenc/Absence, noted conditions / 1-2 Hours	4/19/05 Plants not fully flowering (buds beginning)
	Spring Canyon	19-Apr	1) M. Johnson; 2) K. Greer; 3) K. McEachern	Presence/Absence, noted conditions / 1-2 Hours	

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<i>Dudleya brevifolia</i> (Short-Leaf Dudleya)	Carmel Mountain	19-May	1) K. Greer; 2) M. Johnson; 3) B. Miller; 4) Randy Rodriguez; 5) Mike Klein	Quadrat; 1/2 Day	5/19/05 good monitoring time, most plants in flower
	Crest Canyon	19-May	1) M. Johnson; 2) B. Miller; 3) M. Klein; 4) J. Garcia	Census, GPS Presence/Absence/Threats	5/19/05 good monitoring time, most plants in flower
	Skeleton Canyon	19-May	1) M. Johnson; 2) B. Miller; 3) M. Klein; 4) J. Garcia	Monitoring (GPS problem, or would have mapped)	5/19/05 good monitoring time, most plants in flower
<i>Dudleya variegata</i> (Variegated Dudleya)	Marron Valley	12-Apr	1) M. Johnson; 2) B. Miller; 3) J. Atha; 4) C. Cibit	Census, ~Full day	4/12/05 Fairly good timing, many plants flowering, but a number in bud only
	Mission Trails Regional Park		M. Kelly and MTRP Docents	~Full day	
	Santa Luz/Blk		M. Kelly		
	Penasquitos Cyn*		M. Kelly		
	Otay Lakes	12-May	1) M. Johnson; 2) B. Miller; 3) R. Rodriguez; 4) C. Kinkade	Full day, Belt Transects	5/12/05 Good timing Plants 70%+ flowering, some buds; 6/2/05 was a little late, plants beginning to dry, somewhat difficult to locate [Visited 4/7/05; No plants up at all; 4/19 and 4/26, plants up, little to no flowering]
<i>Lotus nuttallianus</i> (Nuttall's lotus)	Mission Bay	26-May	1) M. Johnson; 2) B. Miller; 3) K. Syverson; 4) L. Hierl (a.m.); 5) M. Shimada (a.m)	Sites 1 and 6, 9 a.m. to 5 p.m.	5/26-27/05 was good monitoring timing, almost all plants flowering, none dried/senescing
		27-May	M. Johnson; K. Syverson	Sites 3 and 2, 9 a.m. to 3:30 p.m.;	
<i>Deinandra conjugens</i> (Otay Tarplant)	Proctor Valley	9-Jun	1) M. Johnson; 2) L. Hierl; 3) K. Syverson; 4) J. Atha	Belt transects; 8 a.m. - 4 p.m.	6/9/05 Good monitoring timing, plants in flower, easy to locate. Note that western slope sub-pop not included in belts

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<i>Monardella viminea</i> (Willow Monardella)	Lopez Canyon	7-Jun	1) M. Johnson; 2) J. Garcia	Census, 8:30- 12:30	6/7/05 Suboptimal timing- most plants small, not yet flowering
	Marron Valley Sycamore	16-Jun	1) K. Greer; 2) M. Johnson; 3) Cindy Kinkade; 4) K. Syverson	Census, Full day	6/16/05 Good timing, nearly all plants in flower, relatively easy to locate
	Canyon/Goodan Ranch	10-Jun	1) K. Greer; 2) B. Miller; 3) K. Syverson	Census, ~Full day	
<i>Cordylanthus orcuttianus</i> (Orcutt's Bird's Beak)	Otay River Valley	30-Jun	1) M. Johnson; 2) L. Hierl; 3) K. Syverson; 4) J. Garcia; 5) C. Ford	Four 1x3 m plots, GPS all pops; 6.5 Hours	6/30/05 Good timing, plants nearly 100% flowering, relatively easy to locate
<i>Lessingia filaginifolia</i> var. <i>linifolia</i> (Del Mar Sand Aster)	Carmel Mtn, Torrey Highlands	21-Jul	1) M. Johnson; 2) J. Garcia; 4) K. Syverson; 5) C. Ford	Census, Full long day	7/21/05 Good timing, plants nearly 100% flowering: prob of previous years survey area not be delineated-- are new areas new or just weren't surveyed previously?
	Overlook Park (San Dieguito River Bluffs)	29-Jul	1) M. Johnson; 2) J. Garcia; 3) R. Rodriguez; 4) K. Syverson; 5) C. Ford	Partial Census, ~3/4 day	7/29/05 Slightly past optimal timing; many flowers going to seed, which made them slightly more difficult to detect
<i>Ambrosia pumila</i> (San Diego Ragweed)	Mission Trails Regional Park	14-Jul	1) M. Johnson; 2) B. Miller; 3) K. Syverson; 4) C. Ford; 5) F. Kramer	Presence/Absence, some mapping/ Half day	7/14/05 Approx 1/4 to 1/2 of population already fruited and drying; difficult to locate amid drying grasses, etc. [possibly earlier than normal due to early rains in 2004-2005 season?]

Date Color Code:

Lt Green = Slightly Early; Dark Green = Good Timing; Orange = Slightly Late; Red = Too Late to Survey

**City Staff, Planning Department, MSCP Division**

K. Greer = Keith Greer, Planning Deputy Director  
M. Johnson = Melanie Johnson, MSCP Biologist  
B. Miller = Betsy Miller, MSCP Planner  
R. Rodriguez = Randy Rodriguez, MSCP Planner  
K. Syverson = Kristin Syverson, MSCP Intern

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M. Shimada = Mika Shimada, Mission Bay Park Ranger

**Volunteer (Non-Staff) Monitors:**

K. McEachern = Dr. Kathryn McEachern, USGS Ecologist  
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